

Eagle Bend Mfg Inc.  
01-0235-02/ 069753P

**Information From Application**

Engine	50 hp	37.285 kw
Max Operating Hours	500 hours	1 hp = 0.745699872 kw

An EPA memorandum (dated September 6, 1995) regarding the calculation of potential to emit for emergency generators states the following: *"The EPA believes that 500 hours is an appropriate default assumption for estimating the number of hours that an emergency generator could be expected to operate under worst-case conditions.*

	Power Rating (hp)	Emission Factor (g/hp-hr)	Allowable Emissions (lb/hr)	Allowable Emissions (tpy)

This engine is not subject to NSPS subpart JJJJ- manufactured and constructed in 2005

(Emission factors are from AP-42 Tables 3.2-2 and 3.2-3)\*

	Heat input (MMBtu/hr)	Emission Factor (lb/MMBtu)	Actual Emissions (lb/hr)	Allowable at 500 hr/yr (ton/yr)
PM	0.127222	1.50E-02	0.002	0.0004771
SO2	0.127222	5.88E-04	0.000	0.0000187
CO	0.127222	2.02E+00	0.257	0.0642471
VOC	0.127222	7.40E-02	0.009	0.0023536
NOx	0.127222	3.15E+00	0.401	0.1001873

\*average values used from Tables 3.2-2 & 3.2-3 - engine is neither lean or rich burn

**Allowable PM emissions**

Design Heat Input (MMBtu/hr)	0.13	1 kw = 3412.14 BTU/hr
Allowable PM Emissions (lb/MMBtu)	0.60	TAPCR 1200-03-06-.02(2)
Allowable PM Emissions (lb/hr)	0.08	
Allowable PM Emissions (tons/year)	0.02	

prepared by JAT, April 16, 2015